

The background is a solid blue color. In the top left corner, there are white, stylized clouds. In the bottom right corner, there is a faint, light blue outline of a globe.

# National Weather Service 3<sup>rd</sup> Quarter Review 2001

*September 28, 2001*



# 3rd Quarter Milestones

## Completed 22 of 26 Milestones

### *Deliver Better Products and Services*

- ✓ Establish the NWS “Tsunami Ready” Program
- Refurbish 6 NOAA Weather Radio stations in existing network
- ✓ Host Hurricane Preparedness Tour at selected coastal WFOs
- Review and modify existing process for creating and implementing new climate and weather products
- ✓ Test prototype for transmitting aviation weather warnings to critical airport personnel via pagers



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# “Tsunami Ready”

- 1st Tsunami Ready Community: Ocean Shores, WA
- Promotes tsunami hazard readiness among Federal, state and local emergency management agencies, the public, and the NWS tsunami warning system.





# Hurricane Preparedness Tour



- May 7-10
- Nearly 1,700 people toured NOAA P-3 “Hurricane Hunter”
- Visited: Portsmouth, New Hampshire; Dover, Delaware; Washington, D.C.; Florence, South Carolina.





# 3rd Quarter Milestones

## *Deliver Better Products and Services*

- ✓ Implement 24 hour operation of the Aviation Weather Center's Collaborative Convective Forecast Product 
- ✓ Develop a marine outreach partnership program with NOS
- ✓ Develop implementation plan to install 7 buoys in Alaska per Congressional direction 
- ✓ Implement procedures to improve NWS fire weather incident response system
- ✓ Develop, publish, and distribute a preparedness brochure/web information on inland flood effects of hurricanes along the East Coast

<http://www.nws.noaa.gov/er/hq/flooding/brochure.htm>

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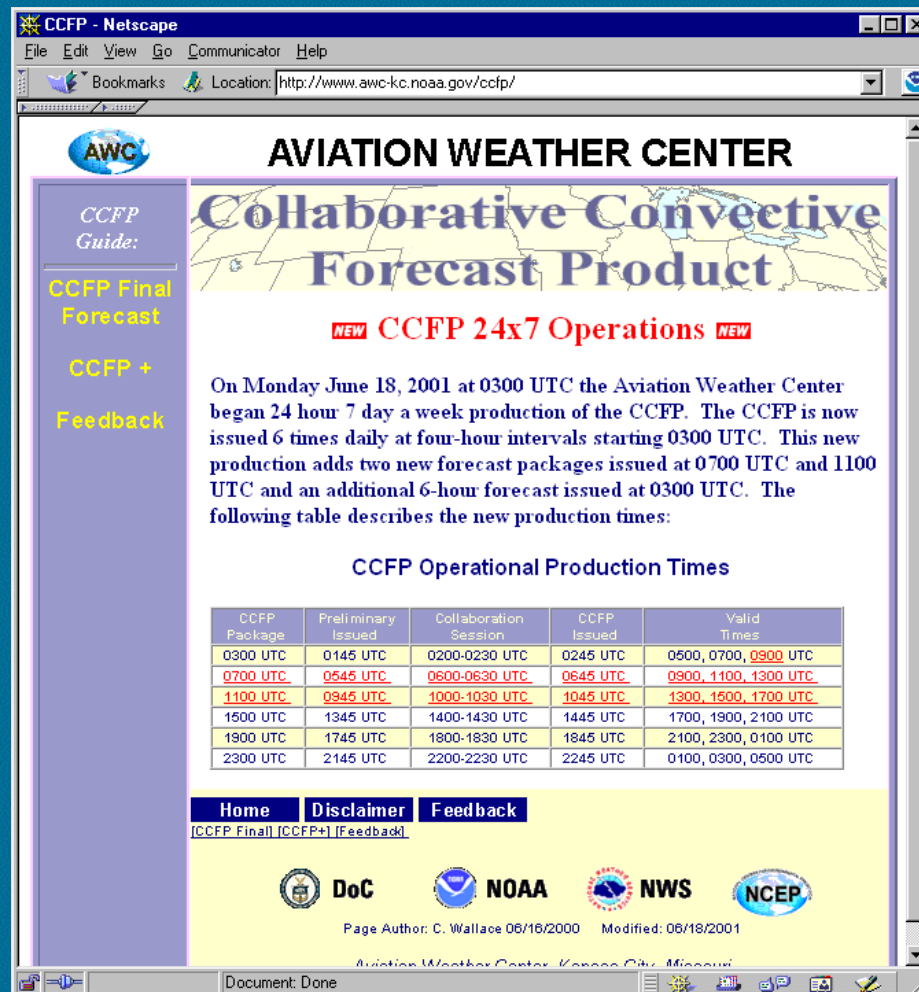
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# Collaborative Convective Forecast Product



The screenshot shows a Netscape browser window titled "CCFP - Netscape" with the address bar displaying "http://www.awc-kc.noaa.gov/ccfp/". The website content includes the AWC logo, the title "AVIATION WEATHER CENTER Collaborative Convective Forecast Product", and a section titled "NEW CCFP 24x7 Operations NEW". The text describes the start of 24-hour 7-day-a-week production on Monday, June 18, 2001, at 0300 UTC. It mentions that the CCFP is now issued 6 times daily at four-hour intervals starting 0300 UTC, with two new forecast packages added at 0700 UTC and 1100 UTC, and an additional 6-hour forecast at 0300 UTC. A table titled "CCFP Operational Production Times" provides the following data:

CCFP Package	Preliminary Issued	Collaboration Session	CCFP Issued	Valid Times
0300 UTC	0145 UTC	0200-0230 UTC	0245 UTC	0500, 0700, 0900 UTC
0700 UTC	0545 UTC	0600-0630 UTC	0645 UTC	0900, 1100, 1300 UTC
1100 UTC	0945 UTC	1000-1030 UTC	1045 UTC	1300, 1500, 1700 UTC
1500 UTC	1345 UTC	1400-1430 UTC	1445 UTC	1700, 1900, 2100 UTC
1900 UTC	1745 UTC	1800-1830 UTC	1845 UTC	2100, 2300, 0100 UTC
2300 UTC	2145 UTC	2200-2230 UTC	2245 UTC	0100, 0300, 0500 UTC

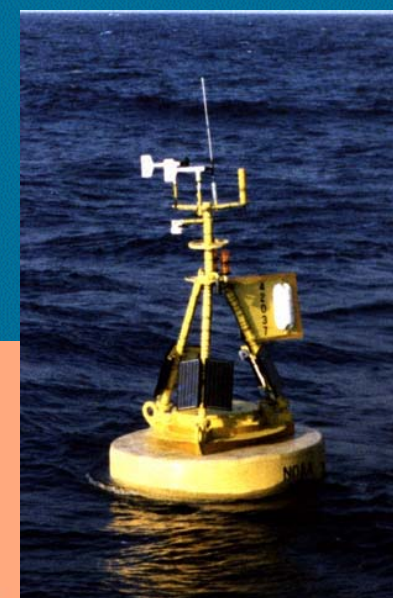
Below the table are links for Home, Disclaimer, and Feedback. At the bottom, logos for DoC, NOAA, NWS, and NCEP are displayed, along with the page author information: "Page Author: C. Wallace 06/16/2000 Modified: 06/18/2001".

<http://www.awc-kc.noaa.gov/ccfp/>



# 7 Buoys in Alaska

- Alaska Buoy Network Expansion Implementation Plan completed in June
- First Alaska Earmark buoy deployed on 7/11/01
- Buoy 2 deployed 8/04/01
- Anticipated deployment:
  - *Buoys 3,4,5 by early Summer 2002*
  - *Buoys 6,7 by early Summer 2003*





# 3rd Quarter Milestones

## *Capitalize on Scientific and Technological Advances*

- ✓ Complete NWS Science and Technology Infusion Plan Version 1.0
- ✓ Make Ensemble model forecasts (regional and global) available in real time to NWS forecasters
- ✓ Incorporate sea surface wind data from NASA's QuikSCAT into data assimilation and forecast system
- ✓ Begin design and coding of AWIPS 5.2 Software
- ✓ Complete science review of the NCEP Eta model performance during recent weather event.

<http://www.nws.noaa.gov/ost/eta.pdf>

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# 3rd Quarter Milestones

## *Exercise Global Leadership*

- ✓ Publish a Caribbean Website for current weather, forecasts and warnings as well as digital radar data 
- ✓ Conduct a hurricane awareness tour to Caribbean countries and Mexico 
- ✓ Conduct a regional training course in “Applications of Climate Data” for 12 international students
- ✓ Establish and conduct the first training course for international and domestic commercial pilots and air traffic controllers for volcanic ash avoidance

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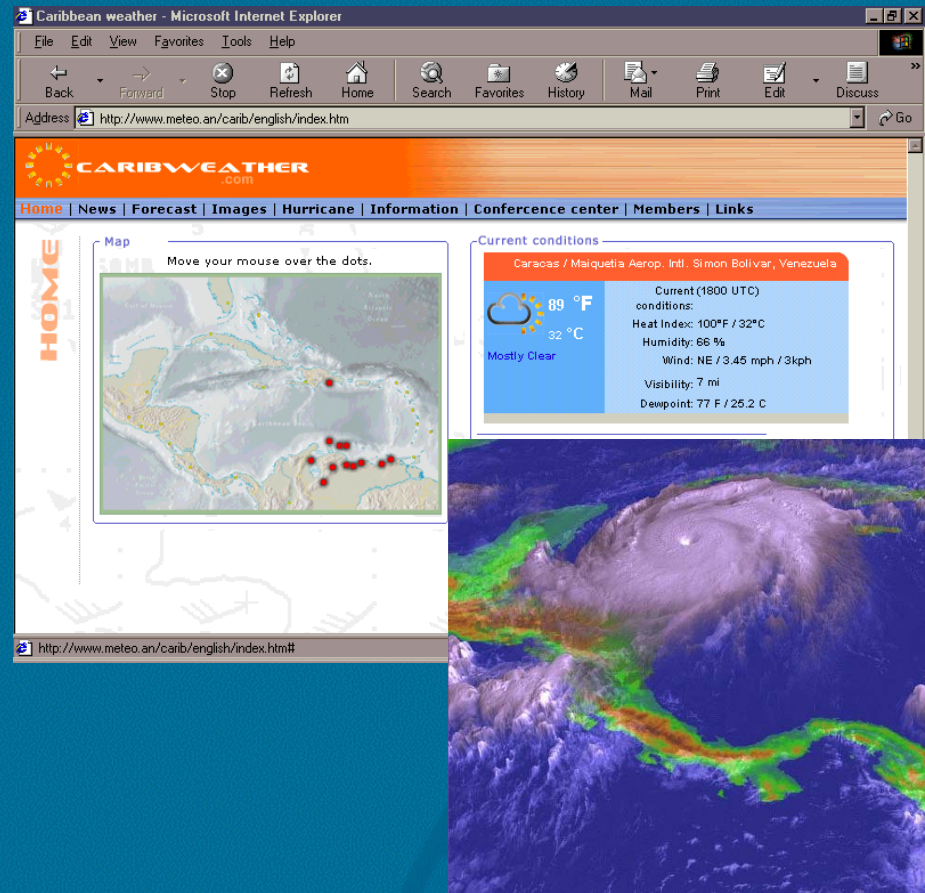
Upcoming





# Caribweather Web Site

- Contracts now being negotiated by Curacao for vendors to host the Web page
- May 14-25: Two-week Training for Web Masters course in Curacao for 15 students throughout Caribbean
- Prototype:  
<http://www.meteo.an/carib>





# Caribbean Hurricane Awareness Tour (CHAT)

- Tremendous success in outreach and public education
- Nearly 7,000 people toured NOAA P-3 “Hurricane Hunter” plane
- Stops included: Villahermosa, Cancun, Mexico; Kingston, Jamaica; Aguadilla, Puerto Rico; St. Croix, U.S. Virgin Islands





# 3rd Quarter Milestones

## *Change the NWS Organizational Culture*

- ✓ Complete team training to 200 employees in 10 NWS field Offices
- ✓ Develop NWS exit survey as a means of gathering information on how to make the NWS a better place to work.
- ✓ Recruit 35 students for DOC's Post Secondary Internship and NOAA Faculty/Student Intern Research Program
- ✓ Recruit 4 students for the High School/High Tech and the Workforce Recruitment Program
- Host NWS EEO Conference

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# 3rd Quarter Milestones

## *Manage NWS Resources*

- Complete installation of NCEP's network security enhancements
- ✓ Develop the new NWS Financial Management System

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# 3rd Quarter Accomplishments

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## *Products/Outreach*

- President Bush Proclaims Hurricane Awareness Week
- Lightning Public Awareness Campaign Launched: “Lightning Kills, Play it Safe”
- Pilot “Rip Current” Forecast Initiated on the Eastern Shore
- Operational Heat Stress Assessment System (OHSAS) Test Begins in New Orleans



## *Organizational/Programmatic*

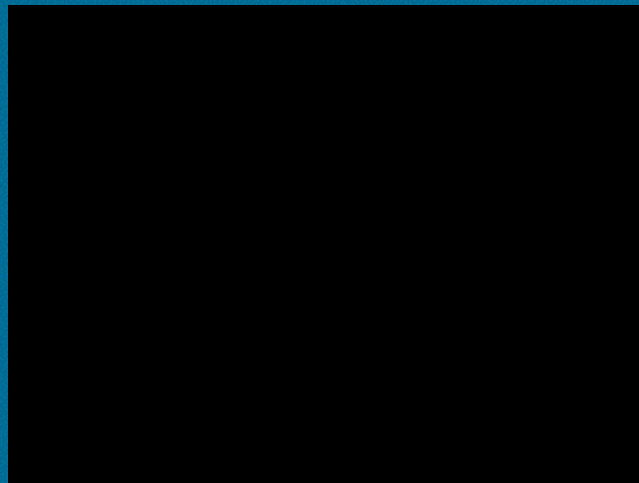
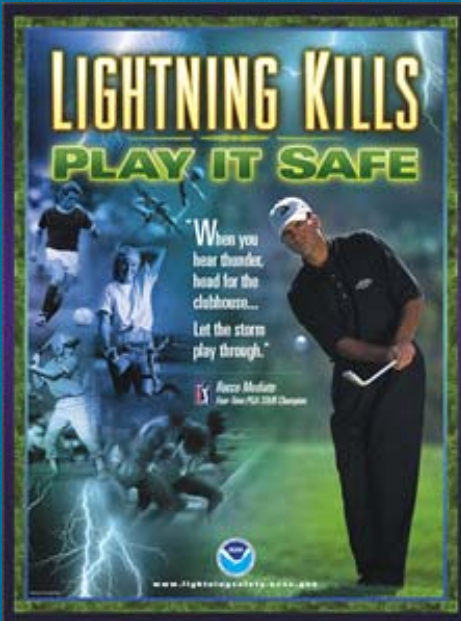
- Caribou, Maine WFO Construction Underway
- NWS Hosted Korean Delegation
- Conducted Real-Time Forecast Experiment Aimed at Improving the Prediction of Thunderstorms
- National Convective Weather Forecast Product (NCWF) Approved





# Lightning Awareness Week

- Lightning Public Awareness Campaign Launched: “Lightning Kills, Play it Safe”
  - Lower lightning death and injury rates in the United States
  - Elevate awareness of the risk of being struck by lightning
  - In 2000, 51 people fatally struck by lightning, compared to 37 flood fatalities, 29 tornado deaths.
  - NWS and Professional Golfing Association Tour champions Rocco Mediate and Vijay Singh are teaming up to promote lightning safety.





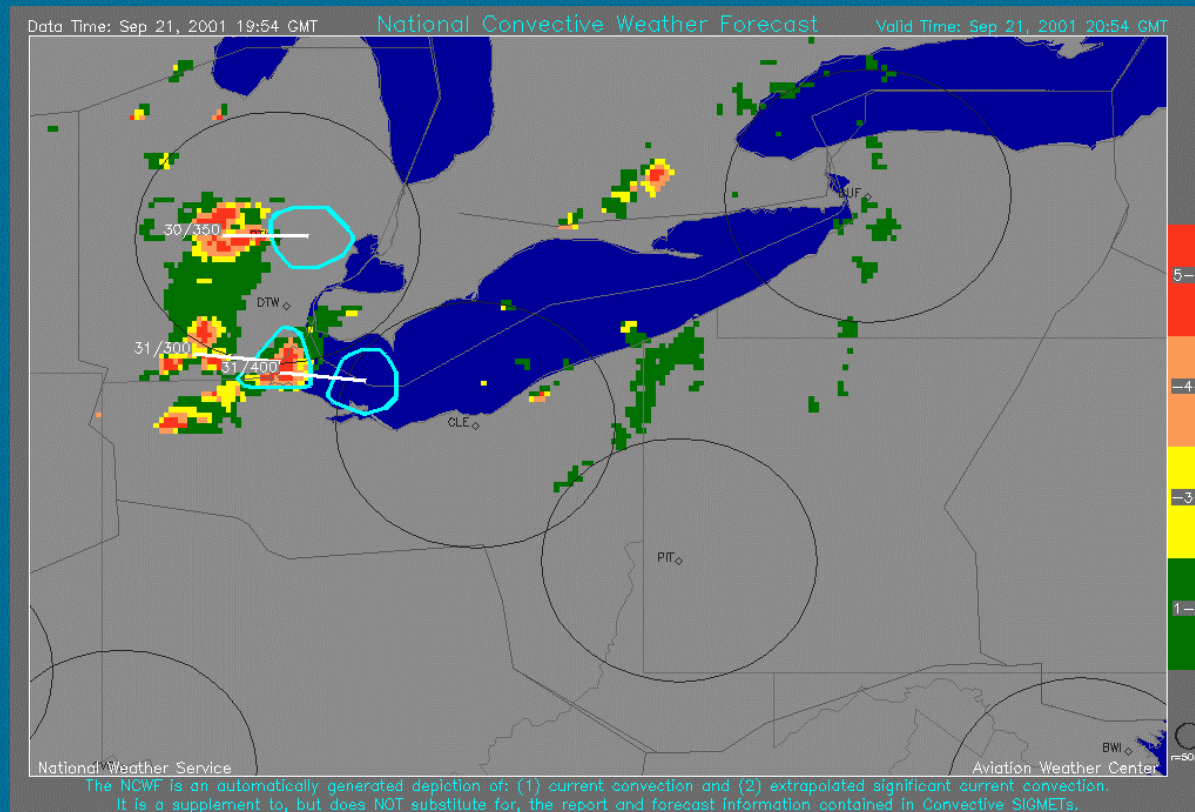
# Caribou, Maine WFO

- Construction contract awarded in May.
- June 1: Congressman John E. Baldacci, representatives of Senators Snow and Collins, the Mayor of Caribou, and Eastern Region Director Dean Gulezian made presentations at the ground breaking ceremony.





# National Convective Weather Forecast Product



- The NCWF is an automatically generated depiction of: (1) current convection and (2) extrapolated significant current convection. It is supplement to, but does not substitute for, the report and forecast information contained in convective SIGMETs



# 3rd Quarter Accomplishments

## *Forecasting*

- 2001 Hurricane Outlook
- Advanced Lead Times for Tornados and Thunderstorms
  - *Siren, Wisconsin tornado*
  - *Denver, Colorado severe thunderstorm*
  - *Benson, Minnesota tornado*
- AHPS Outlook for Severe Flooding in Upper Midwest
- 3 Hour Lead Time for Costly Puerto Rico Flood
- Advanced Lead Time for Flooding in 3 Alaska Communities

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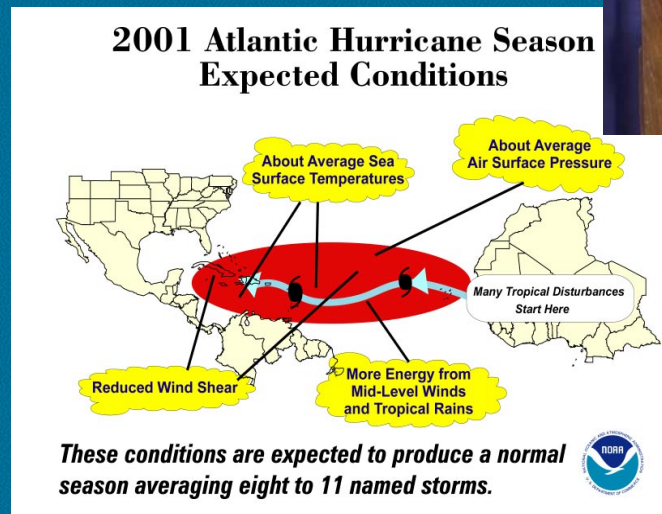
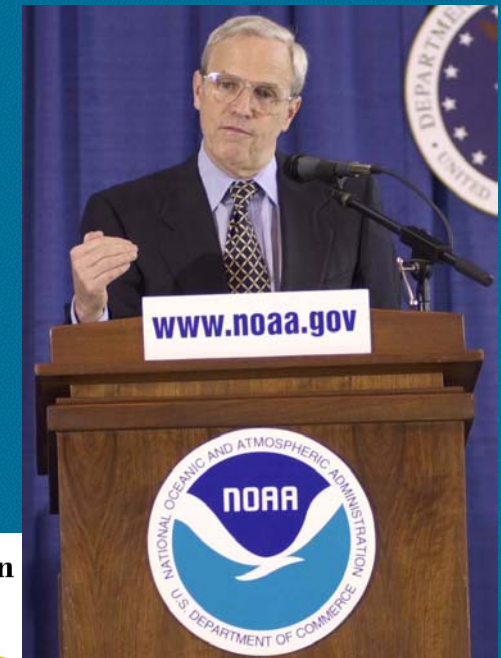
Upcoming





# Hurricane Season 2001 Outlook

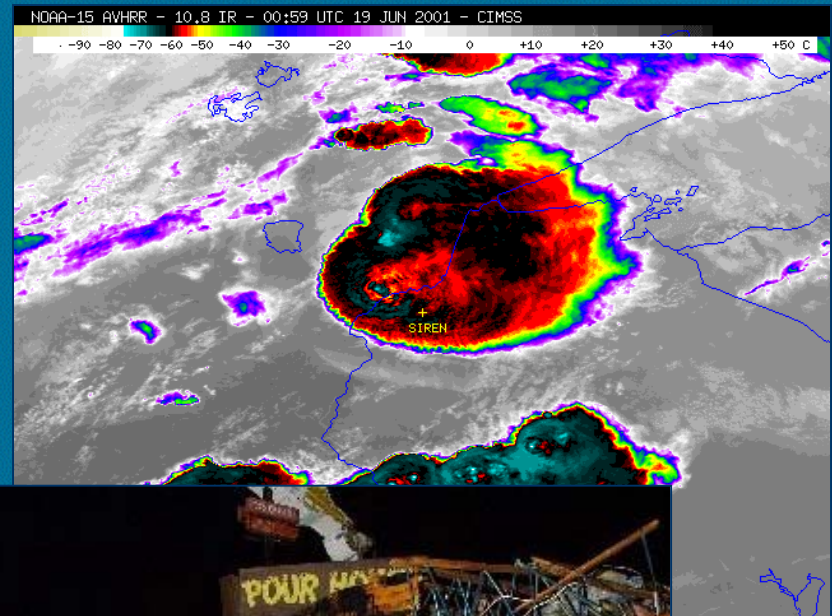
- May 21: Experts predicted 2001 Atlantic hurricane season to have normal levels of activity
  - *8-11 tropical storms*
  - *5-8 of those storms reach hurricane strength*
  - *2-3 hurricanes classified as major*
- Outlook updated August 9
- Season to date:
  - *8 tropical storms*
  - *4 hurricanes*
  - *2 hurricanes classified as major*





# Siren, Wisconsin Tornado

- Occurred Monday, June 18, 9:20 p.m. EDT
- 34 minute lead time before tornado touched down
- 49 minutes before tornado moved through Siren
- Damage
  - 3 deaths,
  - 8 serious injuries;
  - At least 100 homes/businesses destroyed or seriously damaged





# Upper Midwest Flooding

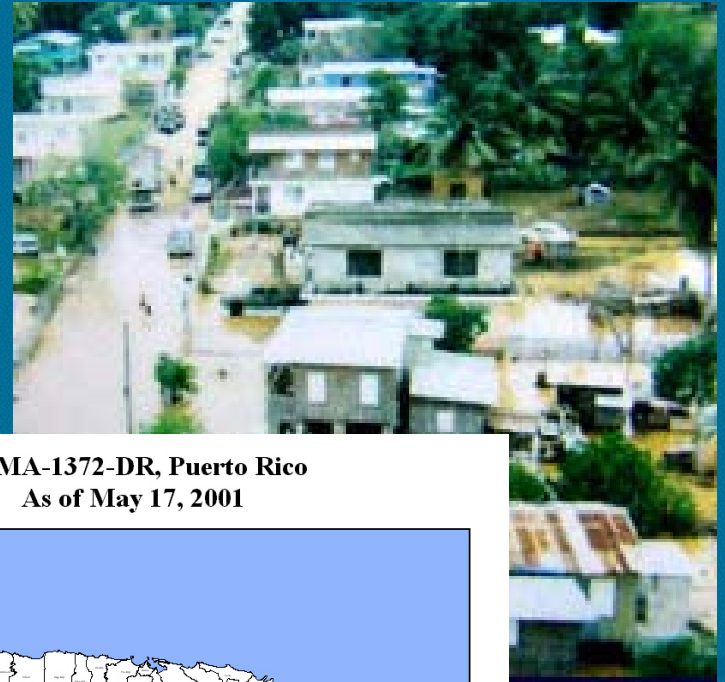
- April 6-22
- March 23rd – AHPS 90 day outlook indicated 90% probability of major flooding at Wahpeton on Red River
- 5 inches of rain combined with melting snow
- Worst flooding:
  - *Red River*
  - *Minnesota River*
  - *James and Big Sioux Rivers*



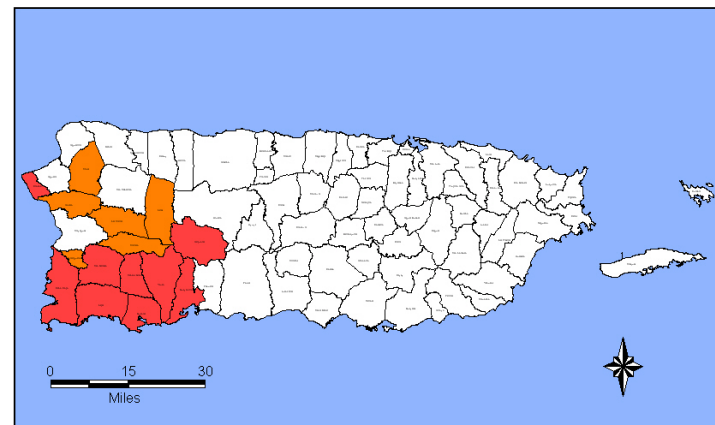


# 3 Hour Lead Time for Puerto Rico Flood

- May 6
- Flash Flood Warning provided 3 hours lead time
- Flooding moderate - severe; confined to southwest Puerto Rico
- Estimated damage: excess \$50 million.
- Broad squall line produced heavy rain across southwestern Puerto Rico



**FEMA-1372-DR, Puerto Rico**  
**As of May 17, 2001**



**Legend**

Designated Municipalities by Assistance Type  
All municipalities are eligible for assistance under the 1372-DR

Individual Assistance and Public Assistance (9)
Public Assistance (6)



ITS Mapping and Analysis Center  
Washington, DC  
20010518 -- 1700 EDT  
1372-DR



# Congressional, GAO, and IG Reports

## *Congressional Reports*

- Cooperative Observers Network

## *GAO Reports*

- USAID
- U.S. Assistance to Micronesia and Marshall Islands

## *OIG Reports*

- WFO Reports
- NWS Weather Observer Program
- National Data Buoy Center
- NOAA Weather Radio

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# Open NWS Environmental / Safety Audit Findings – 3<sup>rd</sup> Quarter FY 2001

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Management Challenges, Issues, Problems

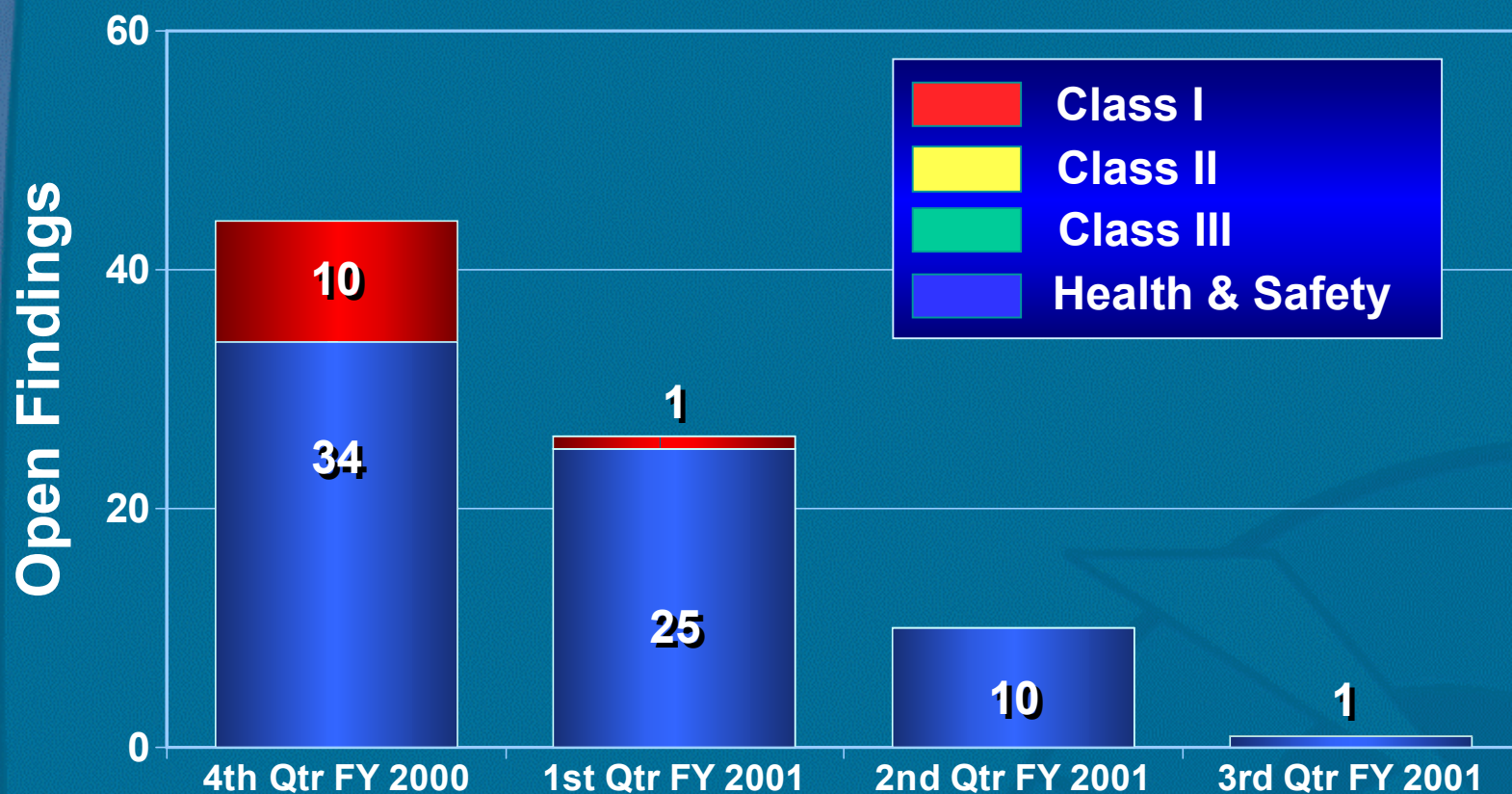
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# EEO Accomplishments

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- Hired 24 Women, Minorities, and People with Disabilities (WMDs) in 3<sup>rd</sup> Quarter
- Three NWS Employees Received Technology All-Star Awards
- 1<sup>st</sup> Native Alaskan promoted to Meteorological Technician
- On-Line Section 508 Accessibility Tutorial Developed
- Participated in 2001 Oklahoma Weather Center's Research Experiences for Undergraduates (REU) Program

## *Minority Serving Institutions (MSI)*

- WFO Charleston, WV Helped Develop First Meteorology Course for WV State University
- Jackson State University Sponsors 4 Undergraduate Meteorology Students
- 5 Students began work at 3 of NCEP's Centers as part of Goddard Space Flight Center Howard University Fellowship in Atmospheric Science (GoHFAS)



# Diversity Accomplishments

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- Spanish interview during Thunderstorm Safety and Lightning Awareness Week reaches 150,000
- OHD begins Telecommuting Program Pilot
- Myers Briggs Training conducted at all Western Region, Alaska Region offices
- All MICs & HICs received diversity & leadership training at national MIC/HIC Conference
- Established NWS Diversity Network email list server
- Four NWS employees received Spectrum awards
- Two NWS employees received Best Practices awards
- Storm Prediction Center Hosts Web Chat with GLOBE Students
- Cheyenne Young Women In Science Program Makes Its Mark in Washington





# Young Women in Science Program

- Cheyenne Young Women In Science Program
- Expenses-paid tour of NOAA, Silver Spring and Washington, D.C., in June.
- Visit to White House and meeting with Vice President Dick Cheney (also from Wyoming).





# Upcoming Activities (4th Qtr. and Beyond)

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- Conduct 2<sup>nd</sup> Volcanic Ash Avoidance Workshop
- Award contracts for Evansville radar, and to improve NWR voice transmissions
- Chairman Wolf, Deputy Secretary Bodman visit to Sterling WFO August 8<sup>th</sup>
- Issue Revised 2001 Hurricane Outlook
- August 29<sup>th</sup> meeting at National Academy of Sciences to discuss “Public/Private Partnerships in the Provision of Weather and Climate Services”
- July 26<sup>th</sup> COMET Executive Board Meeting in Boulder, Colorado
- September NEMA meeting in Bozeman, Montana
- NOAA Science Advisory Board Meeting in Tucson, Arizona November 6-8
- Complete installation of Backup Site for AWIPS Master Ground Station (MGS)
- August Corporate Board Meeting in Boulder, Colorado
- AA Kelly and Nicaraguan officials inaugurate the River Forecasting Center in Managua, August 21-24



# Management Issues/Challenges

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- *Location for Weather and Climate Supercomputer*
- *Pacific Island Compact Funding*
- *FY 2002 and FY 2003 Budgets*